

XIV. BIBLIOGRAPHY  
(contd from p.701)

- Addison, G.H.: Longevity in Orchid Flowers (Mal.Orch.Rev. 5, 1, 1957).
- : Descriptions of New Malayan Hybrids (Mal.Orch.Rev. 5, 2 & 3, 1958).
- Agnihothrudu, V.: Notes on Fungi from North-East India. IV. Myxomycetes (J.Ind.Bot.Soc. 38, 1959, 418-451, contd).
- Ahmad, S. & R.R. Stewart: Grasses of West Pakistan. Part I. Subfamily Panicoideae. Lahore, 1958. 8°, vi + 151 pp., text illustr. (Biological Society of Pakistan, Monograph no 3).
- Allen, B.M.: Some Common Trees of Malaya (Eastern Universities Press, 1957).
- Alphonso, A.G.: Cultivation of Ferns I-II (Mal.Agro-Horticult. Ass.Mag. 14, 1 & 3, 1957).
- Alston, A.H.G.: Isoetaceae (Fl.Mal. II, 1, 1959, 62-64, 1 fig.).
- & R.E. Holttum: Notes on taxonomy and nomenclature in the genus Lygodium (Schizaeaceae) (Reinwardtia 5, 1959, 11-22).  
Typification and discrimination of species; one new combination.
- Amakawa, T.: Family Jungermanniaceae of Japan I (J.Hattori Bot.Lab. no 21, 1959, 248-288, 3 pls, 10 fig.).
- Anonymous: The contribution to Agriculture in Malaya by the Singapore Botanic Gardens (Gard.Bull.Sing. 17, 1959, 187-189).
- Aubert de la Rue, E.: Man's influence on tropical vegetation (Proc. 9th Pac.Sc.Congr.Thail.1957, 20, 1958, 81-94).
- Aubréville, A.: La vocation particulière de la chaire de Phanérogamie à l'étude de la systématique et de la biogéographie des flores tropicales (Bull.Mus.Nat.Hist.Nat. Paris II, 31, 1959, 303-321).  
Interesting inaugural lecture dealing with the general importance and status of plant taxonomy and the place and main tasks of the Paris Herbarium, with special regard to tropical floras.
- Bakhuisen van den Brink Jr, R.C. & C.G.G.J.van Steenis: Proposal to conserve Gaertnera Lamk (Taxon 7, 1958, 234).

- Bakker, K.: A new Papuan Pittosporum (Nova Guinea n.s. 9, 1958, 339-340, 1 fig.).
- Banerji, I. & S. Pal: A contribution to the life-history of Synedrella nodiflora Gaertn. (J. Linn. Soc. Lond. 55 Bot., 1959, 810-817).
- Banijbatana, D.: Mangrove forest in Thailand (Proc. 9th Pac. Sc. Congr. Thail. 1957, 11, 1958, 22-34).  
Description of forestry methods; planting, etc.
- Baranov, A. J.: On the Manchurian species of Leonurus L. (J. Jap. Bot. 34, 1959, 372-376).  
Key to 6 spp.
- Barkley, F. A.: Generic key to the Sumac family (Lloydia 20, 1957, 255-265).
- Barlow, B. A.: Chromosome numbers in the Casuarinaceae (Austr. J. Sc. 7, 1959, 230-237, pl. 1).  
Basic numbers vary from  $n = 8-14$ . The hypothesis is advanced that Casuarina originated outside Australia and entered Australia in late Cretaceous. There is no discussion on the palaeobotany.
- Bartram, E. B.: New and noteworthy Philippine mosses II (Philip. J. Sc. 87, 1958, 277-280).  
Enumeration; 3 new spp.
- : Contribution to the mosses of the highlands of Eastern New Guinea (Brittonia 11, 1959, 86-98).  
Collections by Hoogland and Robbins in 1953 and 1957; 96 spp. among which 4 new species and 15 new records.
- : Mosses of d'Entrecasteaux group and Louisiade Archipelago, Papua, New Guinea (Blumea 10, 1960, 142-150).  
List; 3 new spp.; more than 80% of the spp. are Malaysian.
- Bate-Smith, E. C. & T. C. Whitmore: Chemistry and taxonomy in the Dipterocarpaceae (Nature 184, 1959, 795-796).  
Research on phenolic constituents of fresh leaves of 28 spp. from Kepong; interesting results.
- Bharucha, F. R. & G. Y. Shanbhag: Classification of the vegetation of India, Pakistan, and Burma, according to effective precipitation (Proc. Nat. Inst. Sc. Ind. Biol. Sc. 22 B, 1956, 185-203).
- & K. A. Shankarnarayan: Studies on the grasslands of the Western Ghats I (J. Ecol. 46, 1958, 681-706, 4 photogr.).
- Bhatia, K. K.: A mixed teak-forest of Central India (J. Ecol. 46, 1958, 43-63).

Blake, S.T.: New criteria for distinguishing genera allied to Panicum (Proc.R.Soc.Queensl. 70, 1958, 15-19).

----- : New or noteworthy plants, chiefly from Queensland (Proc.R.Soc.Queensl. 70, 1959, 33-46, pl.1).

----- & C.Roff: The Honey-flora of South-Eastern Queensland (Dept of Agric.& Stock, Queensland, 1959. 8°, 199 pp., 175 photogr. & fig.).

An attractive handbook on the more important plants for bee-keepers, the figures and short descriptions serving for recognizing the species. Eucalyptus and other Myrtaceae are important; further are treated: Banksia, Acacia, Avicennia, Aegiceras, Casuarina, and some miscellaneous plants, cultivated crops, and weeds either serving for collecting pollen or honey. The text is revised from the authors' articles under the same title in Queensl.Agric.J. n.s. 76-82, 1953-1956.

Blakeslee, A.F., A.G.Avery, S.Satina & J.Rietsema: The genus Datura. New York, 1959, xli + 289 pp., 67 text figs, portr. of Blakeslee.

No key; no revision of § Brugmansia.

Blumenstock, D.I.: Distribution and characteristics of tropical climates (Proc.9th Pac.Sc.Congr.Thail.1957, 20, 1958, 3-24).

Boedijn, K.B.: Notes on the Mucorales of Indonesia (Sydowia 22, 1958, 321-362, 12 fig.).

Several new genera and species.

----- : Notes on the genus Sarcosoma (Persoonia 1, 1959, 7-9).

----- : The genus Actiniceps Berk.& Br. (Persoonia 1, 1959, 11-14, 5 fig.).

----- : On a new family of the Sphaeriales (Persoonia 1, 1959, 15-19, 3 fig.).

----- : A species of Septobasidium shedding its immature basidia (Persoonia 1, 1959, 21-23, 5 fig.).

----- : On black and white Piedra (Fungi) (Mycopath.& Mycolog.Appl. 11, 1959, 354-358, 2 fig.).

Bowden, W.M.: The taxonomy of the wheats, barleys, and ryes and their wild relatives (Canad.J.Bot. 37, 1959, 657-684).

Bramao, D.L. & R.Dudal: Tropical soils (Proc.9th Pac.Sc.Congr. Thail.1957, 20, 1958, 46-50).

Brass, L.J.: Results of the Archbold Expeditions No. 79. Summary of the fifth Archbold Expedition to New Guinea, 1956-1957 (*Bull. Amer. Mus. Nat. Hist.* 118, 1959, 1-70, 1 map, 8 photogr.).

A most welcome concise report on vegetation of the Trobriand and Louisiades Is with many data on former exploration, climate, general conditions, etc., and biological observation.

Bremekamp, C.E.B.: Specific and infraspecific delimitation. I. Practical aspect of the problem. II. Theoretical considerations (*Proc. Kon. Ak. Wet. A'dam C* 62, 1959, 91-110). An attempt to show that the terminology and the practical and theoretical considerations of my essay are hopelessly faulty. *Lector ipse judicet.*

---- : A new Staurogyne from the territory of Papua (*Acta Bot. Neerl.* 8, 1959, 482-483).

---- : New Bornean Acanthaceae (*Blumea* 10, 1960, 151-175). 2 n.g., *Borneacanthus* and *Cosmianthemum*, and 17 n.sp.

Brenan, J.P.M.: Leguminosae subfam. Mimosoideae (*Fl. E. Trop. Afr.* 1959, 173 pp., 23 fig.).

Brizicky, G.K.: Dates of publication of Gärtner's De Fructibus et Seminibus plantarum (*Rhodora* 62, 1960, 81-84).

Brongersma, L.D.: De wetenschappelijke expeditie naar het Sterrengebergte Nederlands-Nieuw-Guinea I-II (*Tijd. Kon. Ned. Aardr. Gen.* 76, 1959, 1-6, 323-326, 2 maps).

Brown, G.S.: Bird's eye view (*Mal. For.* 1959, 208-212, 8 photogr.).

Advantage of photographing forest from aeroplane at low altitude.

Burkill, H.M.: The Botanic Gardens, Singapore, 1859-1959 (*Nature* 184, 1959, 1602-1604, 2 photogr.). History and future of the Gardens which celebrated their centenary in 1959.

---- : The Botanic Gardens and conservation in Malaya (*Gard. Bull. Sing.* 17, 1959, 201-205).

Burkill, I.H.: A note on the Gardens' Jungle (*Gard. Bull. Sing.* 17, 1959, 171).

Burtt, B.L.: A new Chirita from Thailand (*J. Roy. Hort. Soc.* 85, 1960, 27-28).

Carlson, M.C.: Monograph of the genus Russelia (*Fieldiana Bot.* 29, 1958, 231-292).

- Carolin, R.C.: Floral structure and anatomy in the family Goodeniaceae (Proc. Linn. Soc. N.S.W. 84, 1959, 242-255, 43 text-fig.).
- Carr, D.J. & S.G.M.: Floral morphology and the taxonomy of Eucalyptus (Nature 184, 1959, 1549-1552, 4 fig.).  
Summary of new research on the morphology of the sepals, petals, and glands on stamens and their impact on the systematical position of many species in the series of the genus; there are also valuable suggestions on the ties between Eucalyptus and related myrtaceous genera.
- : Developmental morphology of the floral organs of Eucalyptus (Austr. J. Bot. 7, 1959, 109-141, 29 fig., 8 pl.).  
Nature and structure of inflorescence in 80 representative spp. of Eucalyptus; they appear to be dichasial. Important study on early stages of development.
- Catalano, G.: Storia dell'Orto botanico di Napoli (Delpinoa (Bull. Orto Bot. Univ. Napoli n.s.) 1, 1958, 5-170, photogr.).  
In Italian.
- Celarier, R.P.: Cytotaxonomic notes on Sorghum subsect. Halepensis (Bull. Torr. Bot. Club 85, 1958, 49-62).
- : Cytotaxonomy of the Andropogoneae III. The genus Sorghum (Cytologia 23, 1959, 395-418).
- & J.R. Harlan: The cytogeography of the Bothriochloa canina complex (J. Linn. Soc. Lond. Bot. 55, 1958, 755-760, map).  
Spain to Formosa.
- , K.L. Mehra & M.L. Wulf: Cytogeography of the Dichantium annulatum complex (Brittonia 10, 1958, 59-72, map).  
Africa to China.
- Chakrabarty, H.L.: Monograph on Indian Cucurbitaceae (Taxonomy and distribution) (Rec. Bot. Surv. Ind. 17, 1959, 1-234, 96 fig.).  
With descr., keys, synonyms. The geographical part is poorly presented; there is no correlation between the maps and the text.
- Ching, R.C.: Icones filicum sinicarum fasc. 5 (1958) t. 201-250.  
Folio.  
The first 4 parts were published before World War II.  
Prof. Ching is Professor in the Division of Taxonomy and Phytogeography, Institute of Botany, Academia Sinica,

Peking. We are glad that this magnificent publication has been resumed (in libr. Holttum, received via Prof. Takhtaja, Leningrad).

Chock, A.K.: A taxonomic revision of the Hawaiian species of the genus Sophora Linnaeus (fam. Leguminosae) (Pac.Sc. 10, 1956, 136-158, f.1-19, incl. distr.maps).

Chowdhury, S.: Notes on Fungi from Assam III (Lloydia 21, 1959, 152-156).

Christian, C.S.: The concept of land units and land systems (Proc. 9th Pac.Sc.Congr.Thail. 1957, 20, 1958, 74-81).

Clifford, H.T.: Seed dispersal by motor vehicles (J.Ecol. 47, 1959, 311-315).  
Observations in W.Africa.

Cole, R.: Temiar Senoi Agriculture. A note on aboriginal shifting cultivation in Ulu Kelantan, Malaya (Mal.For. 22, 1959, 191-207, contd).

---- : Temiar Senoi Agriculture II. (Mal.For. 22, 1959, 260-271).

Explanation of the jerami system of shifting cultivation.

Conert, H.J.: Beiträge zur Monographie der Gattungen Cleistogenes and Neyraudia (Bot.Jahrb. 78, 1959, 208-245). Incl. revision of Neyraudia, p.233-244; key.

Copeland, E.B.: Fern flora of the Philippines. Vol.1 (1958) 1-191 (Monogr.Inst.Sc.Techn.Manila 6, part 1).

A complete flora with keys; of the 943 species of Pteropsida about one third is treated in this flora which is provided with descriptions and keys. The present instalment includes Ophioglossaceae, Marattiaceae, Osmundaceae, Schizaeaceae, Gleicheniaceae, Hymenophyllaceae, Pterid., Parkeriaceae, and Davalliaceae. Both synonymy and descriptions are very concise.

Corner, E.J.H.: Vegetation of the humid tropics (Nature 183, 1959, 795-796).

Concise report on the Vegetation Symposium, Bogor, December 1958.

---- The importance of tropical taxonomy to modern Botany (Gard.Bull.Sing. 17, 1959, 209-214).

Cosme, L., J.Marañon & V.P.Arida: Distribution of glucosides in Thevetia peruviana (Pers.) Merr. and Nerium indicum Willd. (Philip.J.Sc. 87, 1958, 1-6).

- Costin, A.B.: Vegetation high Mts Australia (Biogeography & Ecology in Australia 1959, 427-451).
- Cranwell, L.M.: Fossil pollen from Seymour Island, Antarctica (Nature 184, 1959, 1782-1785).  
Pollens of Conifers and Nothofagus (fusca & brassii types), and in lower frequencies Proteaceae, Myrtaceae, Loranthaceae, Cunoniaceae, aff. Winteraceae, Cruciferaceae; ferns Schizaeaceae and Cyatheaceae. Seems to represent a climax close to that now found from New Zealand to New Guinea and New Caledonia.
- Crocker, R.L.: Past climatic fluctuations and their influence upon Australian vegetation (Biogeography & Ecology in Australia 1959, 283-289).
- Crum, H.: A small collection of West Javanese mosses (The Bryologist 62, 1959, 188-190).  
Coll. Ross G. Robbins on Mt Gedeh and Udjlon Kulon.
- Cummins, G.B.: Descriptions of tropical rusts IX (Bull. Torr. Bot. Club 87, 1960, 31-45).  
Also some spp. from Philippines and New Guinea.
- Dansereau, P.: Vegetation as an indicator of environmental potential (Proc. 9th Pac. Sc. Congr. Thail. 1957, 20, 1958, 57-67, 6 fig.).
- Diels, L.† & F. Mattick: Pflanzengeographie. Sammlung Göschen Band 389/389a. Walter de Gruyter & Co, Berlin, 1958.
- Egler, F.E.: The nature of the relationship between climate, soil, and vegetation (Proc. 9th Pac. Sc. Congr. Thail. 1957, 20, 1958, 50-56).  
Philosophical; reasoning.
- Fagerlind, F.: Development and structure of the flower and gametophytes in the genus Exocarpos (Svensk Bot. Tidskr. 53, 1959, 257-282, 6 fig.).
- Fernandes, A. & M.A. Diniz: Contribuição para o conhecimento das Lythraceae de Angola. Lisboa, 1958, pp. 1-30 (repr. from Garcia de Orta 6, no 1).
- Fikenscher, L.H.: Bijdrage tot de kennis van de biologie der alkaloiden bij Erythroxylum coca L. (Thesis, Leyden University, 's-Gravenhage, 1959, 1-86).  
Mainly phytochemical; three varieties are distinguished in E. coca, viz var. coca, var. novogranatense, and var. truxillense (Rusby). The latter name is illegitimate, however, as no references are cited and E. coca var. spurceanum Burck is mentioned as a synonym.

Fosberg, F.R.: Vascular Flora of Pagan Island (Pac.Sc. 12, 1958, 17-20).

Systematic list of species.

----- : Vegetation and flora of Wake Island (Atoll Res.Bull. no 67, 1959, 20 pp. mimeogr.).

----- : Additional records of phanerogams from the northern Marshall Islands (Atoll Res.Bull. no 68, 1959, 9 pp. mimeogr.).

----- : Typification of Zanthoxylum L. (Taxon 8, 1959, 103-105).

For those combining one and two whorls the correct name is *Zanthoxylum L.* For those who separate them the tropical 2-whorl species become *Fagara* nom.cons. (*typus F.pterota L.*). The temperate plant with one whorl is *Zanthoxylum* (*typus Z.fraxineum Willd.*). *Thylax Raf.* falls back into synonymy of *Zanthoxylum*.

----- : The importance of biological research in the Pacific region (Gard.Bull.Sing. 17, 1959, 219-224).

----- : The Vegetation of Micronesia. I. General Descriptions, The vegetation of the Marianas Islands, and a detailed consideration of the vegetation of Guam (Bull.Amer.Mus. Nat.Hist. 119, 1960, article 1, 75 pp.).

----- & G.Corwin: A fossil flora from Pagan, Mariana Islands (Pac.Sc. 12, 1958, 3-16, f.1-13).

Fries, R.E.: Annonaceae (in E.& P., Nat.Pfl.Fam. ed.2, 17a ii, 1959, 1-171, 40 fig.).

Fulford, M., J.Taylor & R.Hatcher: The calyptra of Calobryum blumei Nees (Phytomorphology 8, 1958, 298-302).

Furtado, C.X.: When was Gymnacranthera Warb. validly published? (Taxon 7, 1958, 140-141).

----- : Singapore's contribution to the study of palms (Gard. Bull.Sing. 17, 1959, 195-198).

----- : A new Aroid from Borneo (Gard.Bull.Sing. 17, 1959, 276-278, 1 pl.).

*Microcasia purseglovei* n.sp.

----- : Some new or noteworthy species of Malaysia (Gard.Bull. Sing. 17, 1959, 279-311, 16 pl.).

Critical notes on Malayan species of *Ardisia*, *Hymenan-dra*, and *Tetrardisia*; various new spp. and new comb.

- Gardner, C.A.: The vegetation of W. Australia (Biogeography & Ecology in Australia 1959, 274-282).
- Gates, R.R.: Taxonomy and genetics of Oenothera (Monogr. Biol. 7, 1958, 1-115).
- Gauba, E. & L.D. Pryor: Seed coat anatomy and taxonomy in Eucalyptus II (Proc. Linn. Soc. N.S.W. 84, 1959, 278-291, 39 fig.).
- Gaussien, H.: Integration of data by means of vegetation maps (Proc. 9th Pac. Sc. Congr. Thail. 1957, 20, 1958, 67-74).
- Giesy, R.M. & P.W. Richards: A collection of Bryophytes from Thailand (Siam) (Trans. Brit. Bryol. Soc. 3, 1959, 575-581).
- Gilliland, H.B.: Plant communities on Singapore island (Gard. Bull. Sing. 17, 1958, 82-90).  
Observations on secondary growths.
- : Common Malayan plants (Univ. of Malaya Press Singapore, 1958, 228 pp., 222 line drawings).  
Handy pocket size volume with line drawings most of which are selected from a wartime publication in Japanese by Prof. Watanabe entitled "Illustrations of useful plants of the Southern regions". There are short notes in English and a few new drawings have been added. The purpose of the book is to interest younger students in the plants which grow around them. Ref. Gard. Bull. Sing. 17 (1958) 121.
- : An evocative habitat (Trans. Bot. Soc. Edinb. 38, 1959, 56-63, 4 photogr.).  
Description of padang communities in Bako Nat. Park, Sarawak, with lists of species.
- & M.J. Wantman: Regenerating high forest on Singapore Island (Gard. Bull. Sing. 17, 1959, 228-243).
- Gilmour, J.S.L.: The international code of nomenclature for cultivated plants with special reference to tropical botanic Gardens (Gard. Bull. Sing. 17, 1959, 215-218).
- Girard, M.B.F.: Quelques plantes utilisées dans diverses techniques par les Buang, District de Morobe, Nouvelle Guinée sous tutelle Australienne (J. Agric. Trop. Bot. Appl. 6, 1959, 59-67, 5 fig., 109-110).
- Grant, J.S.: The tree and the crater (Mal. For. 22, 1959, 220-225).  
Some notes on mountain trips in Java.

Grassl, C.O. & J.N. Warner: The 1957 sugarcane expedition to Melanesia (Hawaiian Planters Record 4, 1958, 209-236, 14 photogr., map).

This expedition went to New Guinea and New Britain and New Ireland. Appendix F contains a list of identified grasses of the Andropogoneae collected.

Gray, N.E.: A taxonomic revision of Podocarpus XII (J.Ar.n.Arb. 41, 1960, 35-39, 1 fig.).

Hagerup, O.: Prophylls as sepals in Orchidaceae (Bull.Res. Council of Israel, Sect.D Bot. 7D, 1959, 154-156, fig. 1-10).

Most interesting suggestion about the interpretation of the flower structure of Orchids.

Hambananda, P. & B.Naraballabha: Reforestation of Imperata and other waste lands in Thailand (Proc. 9th Pac.Sc.Congr. Thail. 1957, 11, 1958, 67-71).

Teak, Bombax malab., Eucalyptus, Pinus, Aleurites, Casuarina, Acacia catéchu.

Hanelt, P.: Markhamia cauda-felina, eine neue Fledermausblüte (Oesterr.Bot.Z. 106, 1959, 357-360).

Observations in China.

Hara, H. & H.Kanai: Distribution maps of plants in Japan (fasc. 1, 1958, maps 1-100, with 14 pp. text by Kanai, mostly of plants on the Pacific side of Japan), Outline of the phytogeography of Japan (fasc. 2, 1959, maps 101-200, with 100 pp. text by Hara, 61 photogr.) (Printed and published by Inoue Book Co. 79 Morikawacho, Bunkyo-ku, Tokyo, Japan).

The two fascicles, which are obviously executed in octavo size, are priced \$ 5 and \$ 8 respectively. The second fascicle contains an index to both. Each fascicle includes tricoloured full page maps for each species, showing individual stations in Japan, based on specimens preserved in the main herbaria and reliable literature. Some notes on habitats, distribution outside Japan, etc. are also added.

----- & S.Kurosawa: On the Duchesnea indica group (J.Jap.Bot. 34, 1959, 161-166, fig. 1-4).

Two species can be distinguished, D.indica and D.chrysanthia, mostly on account of the structure of the testa and chromosomes.

Hartog, C.den: Echinodorus of Baldellia? (Corresp.Blad no 12, 1959, 126-128).

Stencilled.

- : A key to the species of Halophila (Hydrocharitaceae), with descriptions of the American species (Acta Bot. Neerl. 8, 1959, 484-489, 1 fig.). Key; descr. of some species.
- : New sea grasses from Pacific Central America (Pacific Naturalist 17, 1960, 1-8, 2 fig.). 3 new spp. of Diplanthera; descr. of Halophila baillonis.
- Hatusima, S.: New or noteworthy Urticaceous plants from Japan and Formosa (J.Jap.Bot. 34, 1959, 303-308, 3 fig.). Some new spp.
- Hawkes, J.G.: Revision of the tuber-bearing Solanums (Scott. Pl.Breed.St. Annual Report 1956, 37-109). Rev.; keys; descr.
- Hedberg, O.: An "open-air hothouse" on Mt Elgon, tropical East Afrika (Svensk Bot.Tidskr. 53, 1959, 160-166, 1 fig., 2 photogr.).
- Heim, R.: Une espèce nouvelle de Gastrolactarie en Thailande (Rev.Mycol. 24, 1959, 92-102, fig.1).
- Heimburger, M.: Cytotaxonomic studies in the genus Anemone (Canad.J.Bot. 37, 1959, 587-612).
- Hiroe, M. & L.Constance: Umbelliferae of Japan (Un.Cal.Publ. Bot. 30, 1958, 1-144, 75 fig.).
- Holttum, R.E.: Tropical ferns of the Gleichenia family (Discovery Aug.1958, 339-342, 7 fig.).
- : Gloriosa hybrids (MAHA Mag. 15, 1958, 75-77).
- : Notes on Malaysian ferns, with descriptions of a new genus and new species (Kew Bull. 1958, no 3, 447-455, 1959, 2 fig.).
- : Introduction; List of Malaysian Pteridophytes; The morphology of Ferns; General key No.1 to Pteropsida; General key No.2 to Pteropsida; Keys to the genera of Pteropsida; Bibliography (Fl.Mal.ser.II, 1, 1959, i-xxiv).
- : Gleicheniaceae (Fl.Mal. ser.II, 1, 1959, 1-36, 16 fig.).
- : Schizaeaceae (Fl.Mal. ser.II, 1, 1959, 37-61, 15 fig.).
- : Orchids, gingers, and bamboos; pioneer work at the Singapore Botanic Gardens and its significance for Botany and Agriculture (Gard.Bull.Sing. 17, 1959, 190-194).

- Hoogland, R.D.: Additional notes on Dilleniaceae 1-9 (Blumea 9, 1959, 577-589, 8 fig.).  
Various critical notes on Dillenias and Tetracera. 3  
New species in Dillenia.
- Hosokawa, T.: On Hosokawa's Line and the response (Act. Phytotax. & Geobot. 18, 1959, 14-19, 2 maps).  
This line between the Bonins and Marianas demarcates the Sinojapanese and Malaysian-Pacific floras.
- Hu, Shiu-Ying: A revision of the genus Clethra in China (J. Arn. Arb. 41, 1960, 164-190, 4 maps, 27 fig.).  
Rev.; key.
- Hubbard, C.E.: Bicentenary of the Royal Botanic Gardens, Kew (Endeavour 18, 1959, 156-160).  
History, present position and future development.
- Hultén, E.: The Trisetum spicatum complex. An arctic-montane species with world-wide range (Svensk Bot. Tidskr. 53, 1959, 203-228, 10 fig., incl. maps).  
The Borneo specimens belong to ssp. alaskanum (Nash)  
Hultén.
- Inoue, H.: Hepatics from Isl. Palau (J. Jap. Bot. 34, 1959, 267-271).
- Ito, H.: Index speciminum typicorum in herbariis Japonensibus. Part 1. Pteridophyta (Tokyo, 1959, 58 pp.).
- Iwatsuki, K.: A revision of the species of Abacopteris in the Ryukyus and Taiwan (Act. Phytotax. & Geob. 17, 1959, 1-13, 2 fig.).
- : Taxonomic studies of Pteridophyta IV (Act. Phytotax. & Geobot. 18, 1959, 44-59).  
Key to Bolbitis spp.
- Jarrett, F.M.: Studies in Artocarpus and allied genera, III. A revision of Artocarpus subgenus Artocarpus (J. Arn. Arb. 40, 1959, 113-155, 298-326, 327-368, 16 fig., contd).
- : A revision of Artocarpus subg. Pseudojaca (J. Arn. Arb. 41, 1960, 73-109, 112-140, 3 maps).
- Johnson, Anne: The Malay names of ferns (Mal. Nat. J. 11, March 1957).
- : The sexual generation of ferns and club mosses (Mal. Nat. J. 12, Dec. 1957).
- : An account of the thallose liverworts found in Malaysia (Mal. Nat. J. 13, 1958).

- : The genus Sphagnum in Malaya (Gard.Bull.Sing. 17, 1959, 321-324, 2 fig.).  
Revision with a key.
- : Cleome ciliata Schum.& Thonn. in Singapore (Gard. Bull.Sing. 17, 1959, 325-330, 2 fig.).  
Ecological notes.
- Johnson, L.A.S.: The families of Cycas and the Zamiaceae of Australia (Proc.Linn.Soc.New South Wales 84, 1959, 64-117, 3 maps).  
Key to the genera and families, and key to the sections and spp. of Zamiaceae. Though Cycas is unfortunately not revised and no Mal.sp. are treated (as far as we know at present), this critical paper contains admirable paragraphs on the reasoning and aims of recognition and definition of taxa of higher rank. A noble attempt, worth reading for consideration.
- Jonker-Verhoef, A.M.E. & F.P.Jonker: Notes on the Araceae of Surinam II (Acta Bot.Neerl. 8, 1959, 139-155, 1 fig.).  
Comments on the occurrence of Xanthosoma, Colocasia, Caladium, Alocasia, and Typhonium in Surinam.
- Jørstad, I.: Notes on some Asiatic Uredinales (Nytt Mag.Bot. Oslo 7, 1959, 129-144).
- Jutte, S.M.: Hardwoods of Netherlands New Guinea II (Nova Guinea n.s. 10, 1959, 45-60, 33 fig.).  
Descr. of 13 sp. coll. van Royen.
- : Hardwoods of Netherlands New Guinea III (Nova Guinea n.s. 10, 1959, 241-278, 108 fig.).  
Description of 35 samples.
- Kachroo, P.: Hepaticae of Bengal I. Sporeling germination and taxonomy of Riccia pimodii sp.nov. from Burdwan (J.Ind. Bot.Soc. 38, 1959, 213-220).
- Keay, R.W.J.: Randia and Gardenia in West Africa (Bull.Jard. Bot.Bruk. 28, 1958, 15-72).
- : Vegetation map of Africa south of the tropic of Cancer, folding map (33½ by 30 ins.), with 24 pp. of explanatory notes, 4to, Oxford 1958.
- : Lowland vegetation on the 1922 lava flow, Cameroons mountain (J.Ecol. 47, 1959, 25-29, 1 pl.).
- Kern, J.H.: Juncaceae, a new family record for Malaya (Gard. Bull.Sing. 17, 1958, 91-92).  
J.prismatocarpus in Cameron Highlands.

- : Florae Malesianae precursores XXII. Cladium and Machaerina (Acta Bot. Neerl. 8, 1959, 263-268). Corrections on Koyama's revision and closer definition of the genera with several new comb. in Machaerina. *Cladium undulatum* is transferred to *Tricostularia*, *C. stradbrokeense* to *Fimbristylis*.
- & C.G.G.J. van Steenis: An interesting new record from the Malayan beach: Spilanthes urens Jacq., its synonymy and distribution (Gard.Bull.Sing. 17, 1959, 273-275).
- Kingdon-Ward, F.: A sketch of the Flora and Vegetation of Mt Victoria in Burma (Act.Hort.Goth. 22, 1959, 53-74).
- Ko, Wan-Chang: Notes on Chinese Samydaceae (Act.Bot.Sin. 8, 1959, 46-50, 4 fig., 4 pl.). Keys.
- Kobuski, C.E.: A revised key to the Chinese species of Jasminum (J.Arн.Arб. 40, 1959, 385-390).
- Koriba, K.: On the periodicity of tree-growth in the tropics, with reference to the mode of branching, the leaf-fall, and the formation of the resting bud (Gard.Bull.Sing. 17, 1958, 11-81, 3 fig.). Records of observations made at Singapore during the war.
- Kostermans, A.J.G.H.: New and critical Malaysian plants V (Gard.Bull.Sing. 17, 1958, 1-10, 5 fig.). New species in *Brownlowia*, *Alseodaphne*, *Teysmanniodendron*, and *Abarema*; *Serianthes gigalobium* is reduced to *Sympetalandra*.
- : A monograph of the genus Heritiera Aiton (Counc.Sc. Indon.Publ. 1, 1959, 1-121, 41 fig.). Full revision in which *Argyrodendron* and *Tarrietia* are merged with *Heritiera*. Some new sp. and comb. *Brownlowia lanceolata* is now reduced to *B. teresa* (L.) Kosterm. No sections are distinguished. Whether the merging of *Heritiera* with *Tarrietia* is justified seems doubtful, the first being characterized by basal nerves and scales, the latter has pinnate-veined leaves or leaflets and stellate scales.
- Koyama, T.: Taxonomic study of the genus Scirpus Linné (J.Fac. Sci.Tokyo Univ. 7, 1958, 271-366).
- : Liliaceae of Dr Hayata's Indo-Chinese collection (Bot.Mag.Tokyo 71, 1958, 302-308).
- : Taxonomic studies of Cyperaceae II (Act.Phytotax.& Geobot. 17, 1959, 20-26, fig.27-30).

Kräusel, R.: Fossile Pflanzen als Klimaweiser (Abh. Naturw. Ver. Bremen 35, 1958, 296-300).

Kusnoto Setyodiwiryo: The Singapore Botanic Gardens and the Central Institute for Nature Research in Indonesia at Bogor. Comments on past and present co-operation and the need to continue it (Gard. Bull. Sing. 17, 1959, 206-208).

Kwan, Wong Yew: Autecology of the bertam palm, Eugeissona triste Griff. (Mal. For. 22, 1959, 301-313, 4 photogr., 4 fig.).

This stooling palm is a nuisance on ridges and comes up after fellings. Life history, germination, etc.

Lam, H.J.: Some fundamental considerations on the "New Morphology" (Trans. Bot. Soc. Edinburgh 38, 1959, 100-134).

----- : Taxonomy; General principles and angiosperms (in Turrial, Vistas Bot. 1959, 1-75).  
Exhaustive and extremely instructive modern account of our state of knowledge.

----- : A tale of two cities: Singapore and Leiden (Gard. Bull. Sing. 17, 1959, 166-170, 2 photogr.).

----- : Morfologia, evolucion y filogenia en el reino vegetal (Revista Universidad de Madrid 8, nos 29-31: La teoria de la evolucion a los cien anos de la obra de Darwin 1959, 81-126, 10 fig.).

Lawrence, G.H.M.: Cissus and Rhoicissus in cultivation (Baileya 7, 1959, 45-54, fig. 12-14).

Key.

----- : Vinca and Catharanthus (Baileya 7, 1959, 113-119, fig. 37-38).

----- : The cultivated genera of Araliaceae (Baileya 7, 1959, 133-140, fig. 44-48).

Key.

----- : The cultivated species of Solanum (Baileya 8, 1960, 20-35, fig. 6-13).

Key.

Lazarides, M.: The Australian species referred to Ichnanthus P.B. (Austr. J. Bot. 7, 1959, 328-346, 7 fig.).  
With key; descr.

Leenhouts, P.W.: A monograph of the genus Canarium (Burseraceae) (Blumea 9, 1959, 275-475, 33 fig.).

Complete revision introduced by a general part on morphology, geography, and comparative taxonomy.

Leese Jr, B.M.: Identification of Asiatic species of Phaseolus by seed characters (Am. Midl. Nat. 60, 1958, 132-144, 12 fig.).

Key to seed characters.

Léonard, J.: Notes sur les espèces africaines continentales des genres Sapium R.Br. et Excoecaria L. (Bull. Jard. Etat Brux. 29, 1959, 133-146).

Leonhardt, R.: Gedanken zur systematischen Stellung und Gliederung der Lentibulariaceen (Oesterr. Bot. Z. 106, 1959, 456-463).

Linden, B.L. van der: Evodiella, a new genus of Papuan Rutaceae (Nova Guinea n.s. 10, 1959, 143-148, 1 fig.).

Loetsch, F.: Natural regeneration of tropical monsoon forest (Proc. 9th Pac. Sc. Congr. Thail. 1957, 11, 1958, 53-54).  
Teak in Siam.

Löve, A., D. Löve & M. Raymond: Cytotaxonomy of Carex section Capillares (Canad. J. Bot. 35, 1957, 715-761, 15 fig.).  
The section has 9 spp., 3 of which comprise 2 subsp.  
Carex has partly polyploid, partly aneuploid series;  
due to a polycentric or diffuse kinetochore fragmentation (partial agmatoploidy) takes place explaining the  
aneuploidy; the total length of chromosomes remains the same in all spp.

Madoc, G.C.: A visit to Gunong Tahan (Mal. Nat. J. 14, 1960, 95-107).

Contains a few general remarks on the vegetation of Malaya's highest peak. Account of birds observed.

Mahabale, T.S. & J.V. Deshpande: The genus Sonneratia and its fossil allies (The Palaeobotanist 6, 1957, 51-64, map, fig. 1-42, pl. 1-4).

Floral development in Sonneratia. The authors erroneously include in the fam. Sonneratiaceae the genus Xenodendron, which has already twenty years ago proved to be Eugenia = Acmena, cf. Merrill, J. Arn. Arb. 19, 1938, 11. It is not understandable that they still use the name S. acida for what must be called S. caseolaris. The dot on the map in Cuba is not explained.

Mangelsdorf, P.C. & R.G. Reeves: The origin of corn II. Teosinthe, a hybrid of corn and Tripsacum (Bot. Mus. Leafl. 18, 1959, 357-387).

- & ----- : The origin of corn III. Modern races, the product of teosinte introgression (Bot.Mus.Leafl. 18, 1959, 389-411).
- & ----- : The origin of corn IV. Place and time of origin (Bot.Mus.Leafl. 18, 1959, 413-427).
- & ----- : The origin of corn V. A critique of current theories (Bot.Mus.Leafl. 18, 1959, 428-440).
- Marshall,C.: Land utilization in the Humid Tropics: Forestry (Proc.9th Pac.Sc.Congr.Thail.1957, 20, 1958, 148-155).
- Martinez,M.: Flora medicinal del Estado de Mexico (Toluca, 1958, 55 pp., illustr.).
- Mason,R.: Callitrichie in New Zealand and Australia (Austr.J. Bot. 7, 1959, 295-327, 2 pl.).  
With key; descr.
- McClure,F.A.: Typification of genera of Bambusoideae II (Taxon 8, 1959, 208-209).
- McLennan,E.J.: Gastrodia sesamoides R.Br. and its endophyte (Austr.J.Bot. 7, 1959, 225-229, pl.1-4).  
Description endophyte fungus.
- Mehra,P.N. & S.S.Bir: A note on chromosome numbers in some Indian species of Equisetum (Am.Fern J. 49, 1959, 86-92).
- Mendoza,D.R.: Philippine Orchid collectors (Philip.Orch.Rev. 7, 1959, 17-56, 11 photos).
- Meijer,W.: Opvallende levermosvormen uit de Flora van Tjibodas (Buxbaumia 12, 1958, 8-15, 2 pl., concise summary).  
Outstanding hepatics from the Flora of Tjibodas, West Java.
- : Botanie en bevolkingslandbouw in West-Sumatra (Vakbl. v.Biol. 39, 1959, 57-62).  
Brief sketch in Dutch.
- : Plantsociological analysis of montane rain-forest near Tjibodas, West Java (Acta Bot.Neerl. 8, 1959, 277-291, 3 fig., many tables).  
Analysis of plots of 1 ha, with notes on frequency, stratification, regeneration, and succession.
- : On the flora of Mount Sago near Pajakumbuh, Central Sumatra (Penggemar Alam 38, 1959, 2-11, 3 photogr., contd).  
A lively account of exploration and various aspects on composition of forest and vegetation.

- : On some South-East Asiatic species of the genus Plecotolea (J.Hattori Bot.Lab. no 21, 1959, 53-60, 5 fig.). Description and notes on 5 spp. from Java, which occur westwards to the Himalayan area.
- : Notes on species of Riccardia from their type localities in western Java (J.Hattori Bot.Lab. no 21, 1959, 61-78, 11 fig.). 18 spp. described and keyed out.
- Miller,C.D.: The use of Pandanus fruit as food in Micronesia (Pac.Sc. 10, 1956, 3-16, f.1-5, tables 1-3).
- Miller,J.: Phalaenopsis Eduardo Quisumbing (an artificial hybrid) (Philip.Orch.Rev. 6, 1958, 4-8, 4 fig.).
- Mitchell,B.A.: The ecology of the mine spoil heaps. Part 1. Sand and gravel tailings (Mal.For. 22, 1959, 111-132, 4 photogr., bibliogr.). Interesting ecol.study; even after 20 years progress of fertility it is only 1/5 of that on unmined land.
- Mitra,E.: On some aspects of the habit, structure, life-history and autecology of Limnanthemum cristatum Griseb. and Limnanthemum indicum Thw. (Proc.Nat.Inst.Sc., Ind. Biol.Sc. 22 B, 1956, 170-187, fig.).
- Molesworth Allen,B.: Malayan fern notes I-II (Gard.Bull.Sing. 17, 1959, 251-272, 3 pl.).
- Moore,Jr,H.E.: African violets, Gloxinias, and their relatives. A guide to the cultivated Gesneriads (New York, 1957, 323 pp., 50 fig., 5 col.plates). A very attractive book.
- Morton,C.V.: Some new combinations in Thelypteris (Am.Fern J. 49, 1959, 113-114).
- Moul,E.T.: The bryophytes and lichens of Onotea, Gilbert Island (Bryologist 61, 1959, 360-373).
- Mukherjee,S.K.: Revision of the genus Erianthus Michx. (Gramineae) (Lloydia 21, 1959, 152-188, 4 fig.).
- Mulay,B.N. & B.D.Deshpande: Velamen in terrestrial Monocots. I. Ontogeny and morphology in the Liliaceae (J.Ind.Bot. Soc. 38, 1959, 383-390, 11 fig., pl.11).
- Neubauer,H.F.: Morphologie und Entwicklung des Blattes von Oroxyllum indicum (Phyton 8, 1959, 93-101).
- : Über das Staminodium von Kigelia aethiopica Decne (Oesterr.Bot.Z. 106, 1959, 546-550, 1 fig.).

- : Über die Blattbüschel von *Crescentia cujete* L. (Oesterr.Bot.Z. 106, 1959, 551-555, 1 fig.).
- : Beobachtungen an Blättern von *Citrus maxima* Merr. (Oesterr.Bot.Z. 106, 1959, 556-565, 1 fig.).
- : Zur Entwicklung des Blattes von *Bidens pilosa* (Oesterr.Bot.Z. 106, 1959, 566-570, 1 fig.).

Newhouse, J.: Additional records to the Flora of Johnston Island (Pac.Sc. 9, 1955, 91-92).

Nicholson, D.I.: Forestry Research in North Borneo, 1952-56 (Proc. 9th Pac.Sc.Congr.Thail. 1957, 11, 1958, 10-12).  
Young saplings or poles of Dipterocarpaceae need strong overhead light; when the canopy is opened up they show an explosive growth. The seedlings established during the seed years mostly die off for lack of sufficient light after about 5-6 years.

Nishida, M.: Studies on the systematic position and constitution of Pteridophyta. II. Ophioglossales, with special reference to Japanese species (Bull.Nat.Sc.Mus. 4, 1959, 325-336, pl. 49-54).

----- : Botrychium (Eubotrychium) in Japan and the adjacent regions (Acta Phytotax.Geobot. 18, 1959, 39-43, 2 fig.).

Noamesi, G.K.: A revision of the Xylocarpeae (Meliaceae), 173 pp.

A MS thesis prepared at the University of Wisconsin, under supervision of Prof.Dr H.Iltis; an abstract has been distributed. A microfilm of the MS is available at \$2.30 or a Xerox copy at \$8.00 at the University Microfilm Inc. of Ann Arbor, Mich.

Noguchi, A.: A small collection of mosses from Southern India (Kumamoto J.Sc.B.2 Biol. 4, 1958, 1-4, 1 fig.).

Ooi Jin-Bee: The distribution of present-day man in the tropics: historical and ecological perspective (Proc. 9th Pac.Sc.Congr.Thail. 1957, 20, 1958, 111-124).

Opdyke, N.D. & S.R.Runcorn: Palaeomagnetism and ancient wind directions (Endeavour 18, 1959, 26-34).

Through mineral magnetism in lavas which have retained their position it has been advanced that pole shifts have taken place; but this, I would add, relates to the magnetic pole and not necessarily to the topographic pole. Besides, it is assumed that continents have moved (drifted), at the rate of c. 30 km pro million years. The principal shifts have taken place in the Carboniferous and Mesozoic. Passate winds have also shifted in

the course of geologic time, as could be concluded from early deserts and dunes. And these two sources of the changes in latitude and relative position of the oceans and continents seem to be rather in agreement. A modern version of Wegenerian theory.

Ozenda, P.: Flore du Sahara septentrional et central (1958, 486 pp., map, 176 fig., many photogr.).

Extremely nice, balanced work. Keys; descr.

Pancho, J.V.: Notes on cultivated aroids in the Philippines I. Edible species (Baileya 7, 1959, 63-70, fig. 18-20). Key.

----- & E.A.Bardenas: Bougainvillea in the Philippines (Baileya 7, 1959, 91-101, fig. 27-30).

Pelzer, K.J.: Land utilization in the Humid Tropics: Agriculture (Proc. 9th Pac.Sc.Congr.Thail. 1957, 20, 1958, 124-143).

Petit, E.: Historique de la position systématique de Gaertnera Lamk et remarques sur quelques espèces africaines du genre (Bull.Jard.Bot.Brux. 29, 1959, 377-383).

Petrak, F.: Beitrag zur Kenntnis einiger Asterineen aus den Philippinen (Sydowia 22, 1958, 472-489). Coll. M.S.Clemens.

Pilous, Z.: Contribution to the mosses of the Philippines (Preslia 31, 1959, 247-250).

List of identifications of new collections by Mendoza, Edaño, etc. No new taxa.

Purseglove, J.W.: History and function of Botanic Gardens with special reference to Singapore (Gard.Bull.Sing. 17, 1959, 125-154, 2 photogr.).

Quisumbing, E.: A new Dendrobium from Palawan (Philip.Orch. Rev. 63, 1958, 3, 2 fig.).  
Dendrobium sanderae.

----- : Vanda Dorothy Miller (an artificial hybrid) (Philip. Orch.Rev. 63, 1958, 11, 1 fig.).

----- : Manila and the Singapore Botanic Gardens (Gard.Bull. Sing. 17, 1959, 199-200).

Rabor, D.S.: Wildlife in the Humid Tropics Picture (Proc. 9th Pac.Sc.Congr.Thail. 1957, 20, 1958, 95-104).

- Raizada, M.B.: Name changes in common Indian plants (Ind. For. Rec. New ser. Bot. 5, 1959, no 1, pp. 1-72). Nomenclatural list of c. 1000 spp. of India; c. 20 new combinations.
- Randeria, Aban J.: The Composite genus Blumea. A taxonomic revision (Blumea 10, 1960, 176-317, 28 pl.). Monogr. keys; descr. etc.
- Randhawa, M.S.: A note on species of Stichococcus and Hormidium from Delhi (J. Ind. Bot. Soc. 38, 1959, 398-399, 2 fig.).
- Rappard, F.W.: Damar hiroe (Nederl. Nieuw Guinea 7, 1959, no 4, 2 pp., fig.). In Dutch; data on *Vatica papuana*.
- : Aantekeningen over de ontwikkeling van de nootmus-kaatcultuur van Nederlands-Nieuw-Guinea (Nieuw-Guinea Studiën 4, 1960, 55-60, 4 pl.). Prospects and conditions of cultivating *Myristica fragrans* and *Myristica argentea*.
- & P. van Royen: Enige notities over de vegetatie in het gebied van de wisselmeren (Nova Guinea n.s. 10, 1959, 159-176, 3 fig., pl. III-VIII; summary). *Dacrydium* is the pioneer on degraded terrain where the *Nothofagus* forest has been destroyed. Description of *Dacrydium* stands on mountain peat.
- Rásky, Klara: The Fossil Flora of Ipolytarnóc (J. Paleontol. 33, 1959, 453-461).
- Raymond, M.: Carices Indochinensis nec non Siamensis (Mém. Jard. Bot. Montréal 53, 1959, 1-125, map, 29 fig.). Important critical study of many SE. Asian species, part of which also occur in Malaysia. Several new species, also a number of reductions. Keys to species.
- : Additional notes on some S.E. Asiatic Scirpus (Natur. Canad. 86, 1959, 225-242). Critical notes and synonym; mostly of Siam.
- Reid, D.A.: The genus Cymatoderma Jungh. (Cladoderris) (Fungi) (Kew Bull. 1958), 1959, 518-530). Revisions; key.
- : Plants of the quartz ridges (Mal. Nat. J. 14, 1959, 22-31, 2 photogr., map). Remarkable vertical quartz intrusions in the vicinity of Kuala Lumpur, bearing characteristic siliciphilous plants, with 2 endemics (*Aleisanthia rupestris* and *Eulalia cumingii*).

- Reyes, M.R.: Natural regeneration of the Philippine Dipterocarp forest (Proc. 9th Pac. Sc. Congr. Thail. 1957, 11, 1958, 35-52).  
Important for Dipterocarp forest types.
- Rickett, H.W.: Report of the Committee for Spermatophyta conservation of generic names II (Taxon 9, 1960, 14-17).
- & F.A. Stafleu: Nomina generica conservanda et rejicienda spermatophytorum (Taxon 8, 1959, 213-243).  
Corrections in the list, with indication of superfluously conserved names.
- & ----- : Nomina generica conservanda et rejicienda spermatophytorum III (Taxon 8, 1959, 282-314).
- Robinson, R.A.: The pH of rain water from the Botanic Garden (Gard. Bull. Sing. 17, 1959, 244-249, 1 fig.).
- Robson, N.: The genus Hybanthus in Africa and Madagascar (Bol. Soc. Brot. II, 32, 1958, 164-170).  
If Ionidium enneaspernum and I. suffruticosum (L.) Baill. ex Laness. are considered conspecific, the latter name has priority.
- Rowley, C.D.: The Australians in German New Guinea (1914-1921, 8°, full cloth, pp. xii + 371, 2 maps).
- Royen, P. van: Nomenclatural notes on the genera Dalzellia, Lawia, Mnianthus, and Terniola (Podostemaceae) (Acta Bot. Neerl. 8, 1959, 473-476).  
Typification of Terniola (Lawia, Mnianthus, Tristicha, Dalzellia) and description of a new monotypic genus Indotristicha, based on T. ramosissima (Wight) Wedd. from India.
- : De wetenschappelijke expeditie naar het Sterrengebergte, Nederlands Nieuw Guinea 4 Maart - 6 Juni 1959 (Tijd. Kon. Ned. Aardr. Gen. 76, 1959, 211-213, 4 fig.).
- : Sertulum papuanum I. Eriocaulaceae (Nova Guinea n.s. 10, 1959, 21-44, 5 fig.).  
Revision New Guinea spp.; key to spp.; 20 spp. recognized, among which 10 new and 2 new var.
- : Revision of the Sapotaceae of the Malaysian area in a wider sense. IIb. Additional note on Burckella Pierre. IXa. Additional note on Pouteria Aublet. XVIII. Cassidispernum Hemsley. XIX. Chelonospermum Hemsley (Nova Guinea n.s. 10, 1959, 131-142, 4 fig.).

- : Revision of the Sapotaceae of the Malaysian area in a wider sense. XX. Madhuca Gmelin (Blumea 10, 1960, 1-117, 23 pl.).  
Monogr.keys, descr., syn., index.
- : Revision of the Sapotaceae of the Malaysian area in a wider sense. XXI. Eberhardtia Lecomte (Blumea 10, 1960, 118-121, 1 fig.).  
3 spp. Indo-China.
- : Revision of the Sapotaceae of the Malaysian area in a wider sense. XXII. Mastichodendron Cronquist (Blumea 10, 1960, 122-125, 1 fig.).  
1 sp. China.
- : New species in Eriocaulon (Blumea 10, 1960, 126-135, fig.1).  
Descr. of 8 new Mal.spp.

Rudd, V.E.: The genus Aeschynomene in Malaysia (Leguminosae-Papilionatae) (Reinwardtia 5, 1959, 23-36).  
Revision of Malaysian specimens; 7 spp. with key; descriptions, etc. All spp. save Ae. aspera are assumed to have been introduced.

Russell, T.A.: Kew and Singapore (Gard.Bull.Sing. 17, 1959, 155-160).

Salleh, Marican: Origin of Sarawak coconuts (Sarawak Mus.J. 8, 1958, 707-709, 3 photogr.).

San Buenaventura, P.: Reforestation of Imperata waste lands in the Philippines (Proc. 9th Pac.Sc.Congr.Thail. 1957, 11, 1958, 54-66).

For eradicating Imperata are used: Leucaena, Gliricidia sepium, Cassia spectabilis. Other trees are Pinus, Tectona, Pterocarpus, Vitex, Lagerstroemia, Swietenia, Gasuarina, Aleurites, Cassia fistula, etc.

Santapau, H.: Salmalia malabarica and S. insignis in Bombay (J. Bombay Nat.Hist.Soc. 56, 1959, repr. 1 pp.).  
Miscellaneous observations on ecology.

- : Critical notes on the Orchidaceae of Bombay State (J. Bombay Nat.Hist.Soc. 56, 1959, 188-203, pl.1-6).  
21 spp. distinguished; key; citations and notes.
- : Lectotypes of the species and varieties, described by Blatter and Hallberg in their 'Flora of the Indian desert' (J.Bombay Nat.Hist.Soc. 56, 1959, 276-281).

- & V.Patel: The Convolvulaceae of Bombay: Additions and corrections (Trans.Bot.Res.Inst.Calc. 22, 1958, 33-42, 4 pl.).  
Three new species and some new names; critical notes on other species.
- Santos, J.V.: The state of botanical science in the Philippines (Proc. 7th Annual Convent. Philip. Assoc. Adv. Sc. (Philaas Proc.) Febr. 1958, 1959, 6 pp.).
- Sauer, C.O.: Man in the ecology of tropical America (Proc. 9th Pac. Sc. Congr. Thail. 1957, 20, 1958, 104-110).  
Interesting contribution on the influence of man on vegetation.
- Schmid, M.: Flore Agrostologique de l'Indochine (Extraits de l'Agronomie tropicale des numéros 1-6 de 1958, pp. 1-51, 143-237, 300-359, 459-522, 631-672, 687-703; 110 fig. & photogr.).  
A monographic treatment in which with a few reductions the treatment in Fl. Gén. I.-C. has been followed. Essentially a taxonomic work, with keys, but rather good notes on ecology.
- Schultze-Motel, W.: Dulichieae, eine neue Tribus der Cyperaceae-Scirpoideae (Willdenowia 2, 1959, 170-175).
- Schuurman, J.A.: The botanical garden of Indonesia (Nat. Hort. Mag. 37, 1958, 123-130).
- Sealy, J.R.: A revision of the genus Camellia (London, 1958, viii + 239 pp., 102 fig., incl. maps).  
Monograph.
- Seidenfaden, G. & T. Smitinand: The Orchids of Thailand. A preliminary list (Part 1, 1959, 1-98C, 73 fig., 2 col.pl.).  
Descr., synon., keys.
- Sen, D.N.: Ecological studies on aquatic and swampy vegetation of Gorakphur (Agra. Univ. J. Res. 8, 1959, 17-29, 2 schemes).
- Sharma, A.K. & N.K. Bhattacharyya: Chromosome studies on four different species of Cinnamomum (Jap. J. Bot. 17, 1959, 43-54).  
Also *C. zeylanicum* and *C. iners*.
- Sinclair, J.: Ararocarpus - a monstruosity (Gard. Bull. Sing. 17, 1958, 93-95, fig. 1).  
It is *Meiogyne virgata* with connate ovaries. I do not agree it is a monstruosity and do not believe this is caused by pressure of young ovaries.

- : Florae Malesianaee precursores XX. The genus Gymnancranthera (Myristicaceae) in Malaysia (Gard.Bull.Sing. 17, 1958, 96-120, 3 fig.).  
Rev.; keys.
- Sleesens, E.H.L. van der: Notes on a few Malaysian Apocynaceae (Parsonsia, Chonemorpha) (Nova Guinea n.s. 9, 1958, 341-345, 2 fig.).
- : Revision of Malaysian Orthosiphon (Lab.) (Reinwardtia 5, 1959, 37-43).  
Only 2 spp. distinguished; O.aristatus and O.thymiflorus (Roth) comb.nov. with 2 new varieties in India.  
Discussion of the history of the use of kumis kutjing.
- Sleumer, H.: Florae Malesianaee precursores XXIII. The genus Rhododendron in Malaysia (Reinwardtia 5<sup>2</sup>, 1960, 45-231).  
261 spp. and 55 infraspecific taxa are recognized of which 96 and 29 are new.
- Smith, J.S.: Past, present, future - a review (Mal.For. 22, 1959, 272-280, 8 photogr.).  
Deals mostly with general results of poison girdling and encouraging commercial timber species.
- Smith, L.S.: New species and notes on Queensland plants (Proc. R.Soc.Queensl. 70, 1959, 27-32).  
As far as Malaysia is concerned there is a new comb. in Endiandra.
- Smitinand, T.: The genus Eria Lindl. (Orchid.) in Thailand (Nat.Hist.Bull.Siam Soc. 19, 1958, 7-43, 9 fig.).  
Key; critical remarks and enumeration of species in Thailand.
- : Identification keys to the Dipterocarpaceae of Thailand (Nat.Hist.Bull.Siam Soc. 19, 1958, 57-83, 3 fig.).  
An up to date review, with discussions and keys to Thai species.
- Stamp, L.D.: Land utilization in the Humid Tropics: Living space and recreation (Proc. 9th Pac.Sc.Congr.Thail. 1957, 20, 1958, 156-158).
- Stauffer, H.U.: Revisio Anthobolearum. Eine morphologische Studie, mit Einschluss der Geographie, Phylogenie und Taxonomie. Santalales-Studien IV (Mitt.Bot.Mus.Univ. Zürich 213, 1959, 1-260, many fig., maps, 24 pl.).  
A most complete revision including the genera Anthobolus (3 spp.), Exocarpus (26 spp.) and Omphacomeria (1 sp.). Several new sect. in Exocarpus and some new sp.

(one from Papua). The area of the group is encompassed by the area from Indo-China to Luzon, Hawaii, New Zealand, and Australia.

Stearn, W.T.: Botanical exploration to the time of Linnaeus  
(Proc.Linn.Soc.Lond. 169th sess. pt 3, 1958, 173-196,  
5 maps).

----- : The background of Linnaeus's contributions to the nomenclature and methods of systematic biology (System. Zool. 8, 1959, 4-22, 6 fig.).

A very readable, erudite paper on this interesting subject.

----- : Allium and Mimula in the Central and Eastern Himalaya (Bull.Brit.Mus.Nat.Hist.Bot. 2, no 6, 1960, 161-191,  
pl.9-12, fig.1-10, all but one maps).

In spite of its spicate infl. Mimula belongs alongside with Allium in the Amaryllidaceae. The umbel of Allium and its allies results from a contraction of cymes to a single level.

Steenis, C.G.G.J. van: Lamiodendron, a new genus of Papuan Big-noniaceae (Nova Guinea n.s. 8, 1957, 379-381, 1 fig.).

----- : El area del genero Nothofagus y su hallazgo reciente en Nueva Guinea y Nueva Caledonia (Revista Universitaria - Univ.Cath.Chile - ano xlvi, 1957, 29-36, received July 1958).

----- : Rejuvenation as a factor for judging the status of vegetation types: the biological nomad theory (Proc. Kandy Sympos.Trop.Veget. 1958, 212-218).

----- : Basic principles of rain-forest sociology (Proc.Kandy Sympos.Trop.Veget. 1958, 159-165).

----- : Concise outline of Malaysian vegetation mapping and literature (Proc.Kandy Sympos.Trop.Veget. 1958, 68-73).

----- : Specific delimitation, with special reference to tropical plants (Uppsala Univ.Arsskr. 6, 1958, 120-127).

----- : Miscellaneous notes on New Guinea plants V. The genus Mazus (Nova Guinea n.s. 9, 1958, 31).

----- : Ecology of Rhizophoraceae (Fl.Mal. I, 5, 1958, 431-445, fig.1-7).

----- : Tropical lowland vegetation: the characteristics of its types and their relation to climate (Proc.9th Pac. Sc.Congr.Thail. 1957, 20, 1958, 25-37).

10 Types are distinguished; discussion on phytoclimates and climatic plant-indicators.

- : Miscellaneous botanical notes IX (Nova Guinea n.s. 10, 1959, 207-212, 2 fig.).  
Deltaria n.g., n.sp. (New Caledonia; Thym.); reduction of Kaernbachia (Cunon.) to Turpinia (Staphyl.), 2 new comb.
- , c.s.: Miscellaneous botanical notes X (Blumea 10, 1960, 118-123, 3 fig.).  
Identity of Vitex lanceolata; three new Kopsias; a new Hippocratea; Calyptosepalum S.Moore (Sant.) reduced to Drypetes (Euphorb.); Cladopus in Thailand.
- : The value of the Flora Malesiana for all who are interested in tropical botany (Mal.Nat.J. 14, 1959, 12-14).
- : Singapore and the Flora Malesiana (Gard.Bull.Sing. 17, 1959, 161-165).
- : Original generic description of the genus 8668 Wahlenbergia Schrad.ex Roth (Taxon 9, 1960, 125).
- : Three new records for the Philippine flora (Philip.J. Sc. 88, 1960, 121-122).
- Steers,J.A., V.J.Chapman, J.Colman & J.A.Lofthouse: Sand cays and mangroves in Jamaica (The Geogr.J. 96, 1940, 305-328, figs, maps).
- Steiner,M.L.: The genus Pholidota in the Philippines (Philip. Orch.Rev. 71, 1959, 2-5, 2 fig.).
- : The genus Phajus in the Philippines (Philip.Orch.Rev. 71, 1959, 6-16, 8 fig.).
- : A new and illustrated Flora of the Philippines. I. Zingiberaceae (Philip.J.Sc. 88, 1960, 1-40, 3 pl.).  
Preliminary study of the Zingiberaceae for a new Flora of Manila.
- Stern,F.C.: Snowdrops and snowflakes (London, 1956, 1-128 pp. 20 fig.).  
Monograph, keys, descr. of Galanthus and Leucojum.
- St.John,H.: A translation of the keys in the Flora Micronesica (1933) of Ryozo Kanehira (Pac.Sc. 10, 1956, 96-102).
- : Nomenclature of plants. A text for the application by the case method of the international Code of Botanical Nomenclature (Chron.Bot.New Series of Plant Science Books no 31, 1958, 157 pp.).  
A large body of examples (by citations) intended for training in nomenclatural questions by taxonomic stu-

dents. It is most deplorable that the dignified series of volumes of the *Chronica Botanica* is continued in another shape, and in all respects inferior in quality of paper, print, and care, now it has changed hands.

----- : Botanical novelties on the Island of Niihau, Hawaiian Islands. Haw.Pl.Stud. 25 (Pac.Sc. 13, 1959, 156-190, fig.1-11).

No distribution maps.

----- : New species of Solanum from Polynesia (J.Jap.Bot. 34, 1959, 333-340, 3 fig.).

New spp.

Stone, B.C.: The Flora of Namonnito and the Hall Islands (Pac. Sc. 13, 1959, 88-104).

NW of Truk in the Caroline Islands. With key to the species, p.92-97.

----- & I.Lane: A new Hedyotis from Kauai, Hawaiian Islands (Pac.Sc. 12, 1958, 139-145, f.1-3).

No distribution maps.

----- & ----- : On a small collection of ferns from the New Hebrides and the Solomon Islands (Bot.Notis. 112, 1959, 372-376, fig.1).

One new Humata.

Sulochana, C.B.: Indian species of Rauwolfia (J.Ind.Bot.Soc. 38, 1960, 575-593, fig.1-5, t.15-17).

Rev.; key.

Svihla, R.D.: Frullaniaceae of Burma III-IV (Bryologist 61, 1959, 373-379).

Two Frullanias described.

Swabey, C.: Rain from a Shorea dasyphylla tree (Mal.For. 22, 1959, 98).

In Ghana cicadas exude sap from branches and cause 'rain' in *Samanea saman*. J.R.Audy, l.c. p.99, says the 'rain of forest trees' is likely to be caused by insects, emitting squirts of water while drinking sap, cicadas or *Cercopidae*.

Takhtjajan, A.: Die Evolution der Angiospermen (Fischer, Jena, 1959, 344 pp., 43 fig.).

Terra, G.J.A.: Farm systems in South-East Asia (Neth.J.Agric. Sc. 6, 1958, 157-182, 4 fig.).

Thind, K.S. & Pritam Singh: The Perizaceae of the Mussoorie Hills VI (J.Ind.Bot.Soc. 38, 1959, 221-232, 7 fig.).

Timmerman (née van der Sleen), E.H.L.: Preliminary revision of Malaysian Kopsia (Fl.Mal.Found. Misc.Rec.1, 1959, 15 pp., 1 fig., mimeogr.).

Preliminary issue; key; descr.

Tomlinson, P.B.: An anatomical approach to the classification of the Musaceae (J.Linn.Soc.Lond. 55, Bot. 1959, 779-809, 109 fig.).

Orchidantha is confirmed to belong to a distinct family Lowiaceae.

Törje, A.: Gamla Botaniska Trädgården i Lund. Lunds Botaniska Trädgård 1690-1867 (Lunds Universitets Arsskrift N.F. Avd.2, Bd 55, nr 8, 1959, 247 pp., 37 fig.).  
A nicely illustrated history of the Botanic Garden in Lund; in Swedish.

Troll, C.: Tropical mountain vegetation (Proc. 9th Pac.Sc. Congr.Thail. 1957, 20, 1958, 37-46).

Tryon, A.F.: A revision of the fern genus Pellaea section Pellaea (Ann.Miss.Bot.Gard. 44, 1958, 125-192).

Tryon, R.: A glossary of some terms relating to the fern leaf (Taxon 9, 1960, 104-109, 1 pl.).

Turrill, W.B.: Royal Botanic Gardens, Kew, Past and Present (London, Herbert Jenkins, 256 pp., photogr., map; 25/- net.).

The book issued with the bicentenary of the Kew Gardens contains the history of the Gardens and their gradual growth and extension and various interesting chapters on scientific research, economic botany, descriptions of the gardens in various seasons, wild life at Kew, the greenhouses, etc., and three appendices, on the situation of Kew, facilities and genera growing in the herbaceous ground. The book is dedicated to all who love Kew; from this we conclude that it should become a bestseller.

Uphof, J.C.Th.: Eupomatiaceae (in E.& P., Nat.Pfl.Fam. ed.2, 17a, ii, 1959, 173-176, fig.41-42).

---- : Myristicaceae (in E.& P., Nat.Pfl.Fam. ed.2, 17a ii, 1959, 177-220, fig.43-49).

Vayssiére, P.: Les jardins botaniques de Malaisie (J.Agric. Trop.Bot.Appl. 5, 1958, 542-550, 5 photogr.).  
Botanic Garden Singapore.

Veloira, N.E.: Two new mosses from the Philippines (The Bryologist 62, 1959, 104-108, fig.1-12).

- Vidal, J.: Nouveautés pour la Flore de l'Indochine récoltées à Laos (Not. Syst. 15, 1959, 447-450).
- Wagenitz, G.: Die systematische Stellung der Rubiaceae. Ein Beitrag zum System der Sympetalen (Bot. Jahrb. 79, 1959, 17-35).
- Warren Wilson, J.: Notes on wind and its effects in arctic-alpine vegetation (J. Ecol. 47, 1959, 415-427, 7 fig.).
- Webb, L.J.: A physiognomic classification of Australian rain forests (J. Ecol. 47, 1959, 551-570, 12 photogr.).
- Weberling, F.: Die Infloreszenzen von Bonplandia Cav. und Polenionium micranthum Bth. und ihre vermeintliche Sonderstellung unter den Blütenständen der Polemoniaceen (Beitr. Biol. Pfl. 34, 1957, 195-211, fig.).
- Webster, G.L.: The status of Agyneia and Glochidion (Euphorbiaceae) (Taxon 9, 1960, 25-26).  
The generic name Agyneia appears to be a synonym of Glochidion; the plants referred to this genus in later time must be called Synostemon F.v.M. and the sole Malaysian species S.bacciforme (L.) Webster.
- White, G.F. (ed.): The future of arid lands (Publ. 43 A.A.A.S. Washington, D.C., 1956. Reprint 1957, 453 pp.).
- Whitmore, T.C. & Y.K. Wong: Patterns of sunfleck and shade in tropical rain-forest (Mal. For. 22, 1959, 50-62).  
Readings with a new apparatus by Dr Evans in Singapore.
- Whyte, R.O.: Land utilization in the Humid Tropics: Grazing (Proc. 9th Pac. Sc. Congr. Thail. 1957, 20, 1958, 143-148).
- Wills, P.A.: Salt consumption by natives of the Territory of Papua and New Guinea (Philip. J. Sc. 87, 1958, 169-177).
- Wilson, K.A.: Sporangia of the fern genera allied with Polypodium and Vittaria (Contr. Gray Herb. 185, 1959, 97-127, 5 pl.).
- Wit, H.C.D. de: Cryptocoryne johorensis Engler (Het Aquarium 28, 1958, 204-206, 1 pl.).  
---- : Slow-growing Cryptocoryne species (Fishkeeping & Water Life 1958, 392-393, 2 fig.).  
C.versteegii from New Guinea.  
---- : A large and versatile Cryptocoryne (Fishkeeping & Water Life 1958, 434-435, 1 fig.).  
---- : A diminutive Cryptocoryne (C.thwaitesii) (Fishkeeping & Water Life Aug. 1958, 488-489, 1 fig.).

- : Cryptocoryne longicauda (Fishkeeping & Water Life 1958, 710-711, 2 fig.).  
Borneo sp.
- : Cryptocoryne bullosa en C.caudata (Het Aquarium 30, 1959, 134-137).
- Womersley, J.S.: Paraformaldehyde as a source of formaldehyde for use in botanical collecting (Rhodora 59, 1957, 299-303).  
When alcohol cannot be used and artificial heat cannot be obtained this method is for rapid field work advisable.
- Wood, E.J. Ferguson: Some East-Australian sea-grass communities (Proc.Linn.Soc.N.S.W. 84, 1959, 218-226, 2 fig.).
- Wood, J.G.: The phytogeography of Australia (Biogeography & Ecology in Australia 1959, 291-302).
- Wyatt-Smith, J.: Peat-swamp forest in Malaya (Mal.For. 22, 1959, 5-32, map).  
A very interesting account of the general situation, stocking, main species and their regeneration, forest production and perspective of this important type of forest in Malaya.
- : Development of a silvicultural system for the conversion of natural inland lowland evergreen rain forest in Malaya (Mal.For. 22, 1959, 133-141).  
General.
- : Methods used for the ecological study of Malayan Forest vegetation (Mal.For. 22, 1959, 142-152).  
Appreciation of various techniques.
- : Ecological jottings from Java (Mal.For. 22, 1959, 213-219).  
Notes during a visit in Dec. 1958.
- : The control of bertam palm-Eugeissona triste Griff. (Mal.For. 22, 1959, 314-326).  
Various methods and experiments recorded.
- : The Singapore Botanic Gardens and Forestry in Malaya (Gard.Bull.Sing. 17, 1959, 172-174).
- Wycherley, P.R.: The New Guinea creeper: Mucuna bennettii (MAHA Mag. 15, 1958, 90-91, col.pl.).
- : The Singapore Botanic Gardens and rubber in Malaya (Gard.Bull.Sing. 17, 1959, 175-186).

Yoshikawa, J.: Icones of Japanese Carex (2 volumes, 1957, 1958, Kanazawa, Japan).

Descr. in Japanese; index of scientific names.

Yuncker, T.G.: Plants of Tonga (Bern.P.Bish.Mus.Bull. 220, 1959, 1-283, 17 fig.).

In this work many genera and species are newly recorded for the Tonga group.

---- : Piperaceae of Micronesia (Occ.Pap.Bish.Mus. 22, 1959, 83-108, 1 fig.).

Key; descr.

Zamora, P.M. & G.C. Lugod: An unreported primitive vascular plant in the Philippines (Philip.J.Sc. 87, 1958, 115-116, 1 pl.).

*Psilotum triquetrum* Sw.

Zaneveld, J.S.: The utilization of marine Algae in tropical South and East Asia (Econ.Bot. 13, 1959, 89-131, 26 fig.).

Zanten, B.O. van: Trachypodiaceae. A critical revision. Musci (Blumea 9, 1959, 477-575, 11 pl.).

Fig. and maps. A world revision; a considerable number of specific names has been reduced; there are hardly any novelties.